




## MINERALS PROGRAM INSPECTION REPORT

PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

<b>MINE NAME:</b> Multi-Mineral RDD Lease	<b>MINE/PROSPECTING ID#:</b> P-2010-026	<b>MINERAL:</b> Oil shale	<b>COUNTY:</b> Rio Blanco
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Amy Yeldell	<b>INSP. DATE:</b> May 31, 2022	<b>INSP. TIME:</b> 09:00
<b>OPERATOR:</b> Shell Frontier Oil & Gas Inc.	<b>OPERATOR REPRESENTATIVE:</b> Samantha Baker	<b>TYPE OF OPERATION:</b> MP - Mineral Prospecting	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$2,864,975.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> U.S.BLM	
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> June 21, 2022	

### GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>NA</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>NA</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

## **OBSERVATIONS**

This inspection was conducted as part of the Colorado Division of Reclamation, Mining, and Safety normal monitoring program. The Multi-Mineral RDD Lease is a Hard Rock NOI located in Rio Blanco County. Amy Yeldell of the Division conducted the inspection. Samantha Baker represented the Operator. James Robert of the White River Field Office was also present.

The permitted NOI includes a total of 15.36 acres and has a current bond of \$96,438.00. The Division still holds \$2,864,975.00 in financial warranty for this site since a replacement bond has not been submitted following the approval of SR-1 (2021). The East RDD, ELHT and hydrology pads 135-4-298 and 138-4-298 are all within the same large fenced in area and the disturbances for each overlap. Collectively these features are referred to as the East.

All hydrology wells have been abandoned and pads have been reclaimed. All mining related debris and surface facilities have been removed from site. The initial reclamation efforts were completed in 2016 and a subsequent seeding was conducted in spring of 2021 of failure areas. The site is now awaiting adequate vegetation establishment. This spring/ early summer has been very cold with limited precipitation. Generally plants are behind schedule in germination and inspection timing is more comparable to typical March/April site conditions. Overall the East is stable with no signs of erosion.

Grazing impacts are generally limited due to the site being fenced however given the variation in fencing material used, animals do get into the site from time to time. Vegetation does not appear to be negatively impacted by grazing. The previous grazing/ access road use has been corrected. The area was closed off and is beginning to re-establish.

Overall reclamation success varies greatly throughout the East. The back facilities areas appear to be well on their way to achieving final reclamation. Grasses are nearly all desirable species with very limited amounts of noxious weeds. Overall cover is nearly 80% with the establishment of some shrubs. The northeastern front portion of the East where the wells were is less successful. These were the areas that were reseeded in 2021. Some germination has occurred but so far vegetation is sparse and at less than 30% total cover. The reseeded areas do still have some noxious weeds however populations are significantly less than on previous inspection.

Responses to this inspection report should be directed to Amy Yeldell at the Division of Reclamation, Mining and Safety, Room 215, 1001 E 62nd Ave, Denver, CO 80216. Direct contact can be made by phone at 303-866-3567 Ext 8183 or via email at amy.yeldell@state.co.us

### **Inspection Contact Address**

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EC:

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**PHOTOGRAPHS**





